

物理家教簡介 Physics Tutorign

April 14, 2025

姓名

黃紹凱

學歷

- 建國中學第三十八屆數理資優班
- 國立臺灣大學物理學系大二在學

大學申請結果

- 學測國文、英文、數學 A、自然皆為 15 級分
- 錄取並就讀臺大物理學系（正取第 1 名）
- 同時錄取：臺大電機系、臺大化學系、臺師大物理系（正取 1）、清大物理系（正取 1）

非競賽經歷

- 建中數資班第一類市長獎（總成績前 1%）
- 台大物理人才培育計畫（成績優良畢業）
- 高中曾通過生物、化學、數學、物理、英文五科免修（二下至三上）
- 大一通過臺大微積分一、微積分二、普通物理、普通化學與英文免修
- 2021 TOEFL 成績：108/120
- 2022–2024 於台北市補習班擔任化學科輔導老師兩年
- 2022、2023 連續兩年獲建中紅樓文學獎散文組與新詩組獎項，並入選建中文選
- 2024 擔任臺大單車社網站管理員，暑假期間完成單車環島

競賽經歷

- 2021 建中校內科展物理與天文學科特優
- 2022 清華盃個人銅牌
- 2022 ARML 美國高中數學聯賽：全國團體賽銀牌、IRML 國際組全球第 4 名、全國第 1 名
- 2023 建中校內物理能力競賽一等獎（校隊正取第 1 名）
- 2023 建中校內化學能力競賽一等獎（自願放棄校隊資格）

- 2023 台北市物理能力競賽二等獎
- 2023 全國物理能力競賽一等獎第 1 名（獲推薦參加物奧選訓營，因故未出席）

教學項目與期望待遇（可議）

- 大學：普通物理、其他（\$1200 以上／小時）
 - 競賽：高中物理競賽（\$1200 以上／小時）
- 以實體課為主，可彈性安排討論。

教學時間與地點

- 每次上課時間為 2 至 3 小時
- 雙北交通便利地點為佳
- 可直接私訊此帳號討論時間（不需加好友即可私訊！），時間安排彈性配合

教學方式與理念

在臺大物理系，我遇到許多在談論專業時眼神發光、滔滔不絕的同學，透過討論經常能延伸出有趣的想法。因此我希望自己不只是學生在課業與競賽上的詢問對象，更是能夠一同深入探討、激發新思維的討論夥伴。

- 高中：依需要搭配自編講義，課程以導讀與解題為主，並視學生程度與興趣進行補充
- 競賽：從物理奧林匹亞教材與各類競賽題目中挑選例題作引導，視學生程度與興趣進行調整。

Name

Jonathan (Shao-Kai) Huang

Education

- Class of 38, Gifted Math and Science Program, Taipei Municipal Chien Kuo High School
- Sophomore, Department of Physics, National Taiwan University

University Admission Results

- GSAT scores: Chinese, English, Math A, Science – all Level 15
- Admitted to and currently studying at NTU Physics (Rank 1)
- Also admitted to NTU Electrical Engineering, NTU Chemistry, NTNU Physics (Rank 1), and NTHU Physics (Rank 1)

Non-Competition Achievements

- Chien Kuo High School Gifted Class Mayor's Award (Top 1%)
- Graduated with honors from NTU Physics Talent Cultivation Program
- Granted exemption from all five subjects (Biology, Chemistry, Math, Physics, and English) in senior high
- Exempted from Calculus I & II, General Physics, General Chemistry, and English in freshman year at NTU
- TOEFL score: 108/120 (2021)
- 2 years of experience as a chemistry assistant tutor at a Taipei cram school (2022–2024)
- Recipient of Chien Kuo Red House Literary Award in Prose and Poetry (2022, 2023), included in annual student anthology both years
- Website administrator for NTU Cycling Club (2024); completed a round-island cycling trip during summer

Competition Experience

- 2021 CKHS Science Fair – Special Award in Physics and Astronomy
- 2022 Tsing Hua Cup – Individual Bronze Medal
- 2022 ARML (American Regions Mathematics League) – National Silver, IRML International Group: 4th globally, 1st nationally
- 2023 CKHS Physics Olympiad – First Prize (Top selection for school team)
- 2023 CKHS Chemistry Olympiad – First Prize (voluntarily gave up team spot)
- 2023 Taipei City Physics Olympiad – Second Prize
- 2023 National Physics Olympiad – First Prize, Rank 1 (recommended for national training camp, unable to attend)

Tutoring Subjects & Expected Rates (Negotiable)

- **High School:** Physics, Chemistry (\$1000+ / hr)
- **College:** General Physics, others (\$1200+ / hr)
- **Competitions:** Physics Olympiad (\$1200+ / hr)

Prefer in-person classes; flexible arrangements can be discussed.

Teaching Schedule & Location

- 2–3 hours per session
- Locations within convenient access in Taipei/New Taipei City preferred
- For scheduling, please send a private message directly to this account (no need to add as a friend)

Teaching Style

- **High School:** When necessary, lessons are supplemented with self-prepared materials. Focus on guided reading and problem-solving, with additional content tailored to the student's level and interests.
- **Competitions:** Guided problem-solving using Olympiad materials and competition questions, adjusted based on ability and interest. While I may not have as much experience as national medalists, I am committed to sharing my knowledge and hope to inspire students who are passionate about science.

Teaching Philosophy

At NTU Physics, I have met many peers who speak passionately and brilliantly about their fields, often leading to fascinating discussions. I hope to be not only a teacher who can help with academics and competitions, but also a thought partner who can explore ideas together and inspire new perspectives through conversation.